



TEST PATIENT

GUA d'Y HYgh BUa Y
 Sex : :
 DUHY Collected : 00-00-0000
 111 H9GH ROAD TEST SUBURB
@AB =8: 00000000 UR#:0000000

TEST PHYSICIAN

DR JOHN DOE
 111 CLINIC STF 99H
 7@B=7 GI 6I F6 J=7 \$\$\$

P: 1300 688 522
 E: info@nutripath.com.au
 A: PO Box 442 Ashburton VIC 3142

INTEGRATIVE MEDICINE

URINE, SPOT	Result	Range	Units	
Advanced Neurotransmitter Profile				
Glycine, Urine	78.0	43.0 - 173	mmol/molC	
Inhibitory Neurotransmitters				
SEROTONIN Urine	63.6	50.0 - 250.0	ug/gCR	
GABA, Urine	157.0	150.0 - 700.0	ug/gCR	
Excitatory Neurotransmitters				
DOPAMINE, Urine	148.0	100.0 - 350.0	ug/gCR	
NORADRENALIN (Nor-Epinephrine)	48.6	13.0 - 70.0	ug/gCR	
ADRENALIN (Epinephrine)	14.9	3.0 - 20.0	ug/gCR	
GLUTAMATE Urine	14.7 *H	2.0 - 12.0	ug/gCR	
Adrenal Adaptation Index				
Noradrenalin/Adrenalin Ratio	3.1	< 10.0	RATIO	
Histamine, Urine	25.0	7.6 - 35.4	ug/gCR	
PhenylEthylamine PEA	62.8 *H	3.6 - 38.8	ug/gCR	
NorMetanephrines	36.70	13.40 - 44.80	ug/gCR	
Optimal Ranges Table				

Biomarker Adult Optimal Range (>11 Yrs)

Serotonin	200 - 415	ug/gCr
GABA	600 - 1100	ug/gCr
DOPAMINE	250 - 400	ug/gCr
Noradrenaline	30 - 50	ug/gCr
Adrenaline	10 - 15	ug/gCr
Glutamate	5 - 10	ug/gCr

There are multiple factors that play roles in neurotransmitter levels (Lifestyle, receptors, meds, supplements, diet, stress, etc). The optimal reference ranges stated above have been determined/derived statistically from historical patient data. Historically, these levels were achieved in the majority of patients as they experienced symptom relief or improvement.

(*) Result outside normal reference range

(H) Result is above upper limit of reference rang



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Additional Recommendations

* It is recommended that all patients on a program to balance HPA axis function should also supplement with B complex, a multi-mineral and multi-vitamin as well as EPA/DHA.

Disclaimers

* These products are not intended to diagnose, treat, cure, or prevent any disease.
 *The statements above are recommendations to the clinician. All final therapeutic decisions are the responsibility of the treating physician.
 * Please call Nutripath on 1300 688 522 with your technical and clinical questions. For further reading and references, please refer to Nutripath's Technical guide and Clinical guide.

DOPAC	1.60 *H	0.65 - 1.35		
HVA	3.70	2.07 - 5.53	mmol/molC	
VMA	3.50	1.31 - 4.01	mmol/molC	
5HIAA	11.40	1.33 - 13.53	mmol/molC	

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Adrenergic Activity Comment
Serotonergic zActivity Comment
Creatinine, Urine Spot.

Vanilmandelate is a metabolite of both epinephrine and norepinephrine.
[5HIAA] is within range. This is the major metabolite of Serotonin.

8.3 5.0 - 11.0 mmol/L

